

CASE NO.: 1118.002
Serial No.: 09/901,155
April 7, 2004
Page 2

PATENT
Filed: July 10, 2001

1-24 (canceled).

25. (currently presented) A cleaning device, comprising:

an elongated handle;

an elongated hollow jet manifold defining a transverse dimension generally perpendicular to the handle, the jet manifold being engaged with a lower end portion of the handle;

plural nozzles spaced along the jet manifold for spraying water directed into the jet manifold onto a surface;

a forward wing extending from the jet manifold above and forwardly of the nozzles, the forward wing being elongated in the transverse dimension;

a rear wing elongated in the transverse dimension and having a front transverse edge engaged with the jet manifold, the rear wing extending rearwardly of the nozzles and terminating in a rear transverse edge, an air flow space being defined between the rear transverse edge and a surface beneath the device when the device is rollably engaged with the surface to clean the surface; and

at least one wheel on the device to rollably engage the surface, wherein

the wings cooperate to establish a Venturi effect when water is sprayed onto the surface through the nozzles, wherein air outside the jet manifold below the wings is entrained into water being sprayed from the nozzles onto the surface, thereby facilitating cleaning the surface with both the water and the air.

1118.2.AMD

CASE NO.: 1118.002
Serial No.: 09/901,155
April 7, 2004
Page 3

PATENT
Filed: July 10, 2001

26. (currently presented) The device of Claim 25, wherein the forward wing extends down from the horizontal in a longitudinal dimension that is perpendicular to the transverse dimension when the device is oriented to clean a surface beneath the device.
27. (currently presented) The device of Claim 25, wherein the handle is hollow and defines a fluid passageway communicating with the jet manifold, the handle including a water connector connectable to a source of water for directing water through the handle, jet manifold, and nozzles.
28. (currently presented) The device of Claim 27, further comprising a valve on the handle and manipulable to block the fluid passageway.
29. (currently presented) The device of Claim 25, wherein water flow onto the surface is no more than three gallons per minute at a water source pressure of up to eighty pounds per square inch.
30. (currently presented) The device of Claim 27, comprising a filter disposed in the fluid passageway of the handle.
31. (currently presented) The device of Claim 30, wherein said filter is frusto-conical shaped.
32. (currently presented) A cleaning device, comprising:
an elongated handle;

1118-2.AMD

CASE NO.: 1118.002
Serial No.: 09/901,155
April 7, 2004
Page 4

PATENT
Filed: July 10, 2001

an elongated hollow jet manifold generally perpendicular to the handle, the jet manifold being engaged with a lower end portion of the handle;

plural nozzles on the jet manifold for spraying water directed into the jet manifold onto a surface;

a transversely elongated forward wing extending from the jet manifold forwardly of the nozzles;

a transversely elongated rear wing extending from the jet manifold rearwardly of the nozzles and terminating in a rear transverse edge, an air flow space being defined between the rear transverse edge and a surface beneath the device when the device is rollably engaged with the surface to clean the surface;

at least one wheel engaged with the device to rollably engage the surface, wherein

the wings cooperate with each other such that air outside the jet manifold between the wings and a surface being cleaned and air from behind the rear wing is entrained into water being sprayed from the nozzles onto the surface, thereby facilitating cleaning the surface with both the water and the air.

33. (currently presented) The device of Claim 32, wherein the forward wing extends down from the horizontal in a longitudinal dimension when the device is oriented to clean a surface beneath the device.

1118-2.AMD

CASE NO.: 1118.002
Serial No.: 09/901,155
April 7, 2004
Page 5

PATENT
Filed: July 10, 2001

34. (currently presented) The device of Claim 32, wherein the handle is hollow and defines a fluid passageway communicating with the jet manifold, the handle including a water connector connectable to a source of water for directing water through the handle, jet manifold, and nozzles.

35. (currently presented) The device of Claim 34, further comprising a valve on the handle and manipulable to block the fluid passageway.

36. (currently presented) The device of Claim 32, wherein water flow onto the surface is no more than three gallons per minute at a water source pressure of up to eighty pounds per square inch.

37. (currently presented) The device of Claim 34, comprising a filter disposed in the fluid passageway of the handle.

38. (currently presented) The device of Claim 37, wherein said filter is frusto-conical shaped.

1118-2.AMD